

Modernizing Business Applications: Moving Beyond Desktop Dinosaurs

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The Problem with Desktop Dinosaurs

Outdated Technologies, Outdated Solutions

- **Limited Accessibility:** Applications confined to specific devices and operating systems.
- **Maintenance Challenges:** Difficulty finding developers familiar with older languages.
- **Scalability Constraints:** Scaling applications to accommodate growth can be complex.
- **Security Vulnerabilities:** Legacy technologies may have known security vulnerabilities.
- **Integration Issues:** Integrating with modern tools and services can be difficult.



The Web Solution: Freedom and Flexibility

Embrace the Cloud, Unchain Your Applications

- **Device-Agnostic Access:** Accessible from any device with an internet connection.
- **Easy Maintenance:** More developers familiar with web technologies.
- **Cloud Scalability:** Effortlessly scale applications based on demand.
- **Enhanced Security:** Modern web frameworks offer robust security features.
- **Improved Integrations:** Seamless integration with other cloud-based tools and services.



Web Challenges: Not Quite a Utopia

Security, Complexity, and Performance

- **Security Concerns:** Web applications can be vulnerable to cyberattacks.
- **Complexity of Development:** Building secure and performant web applications requires expertise.
- **Performance Bottlenecks:** Network latency and server capacity can impact performance.

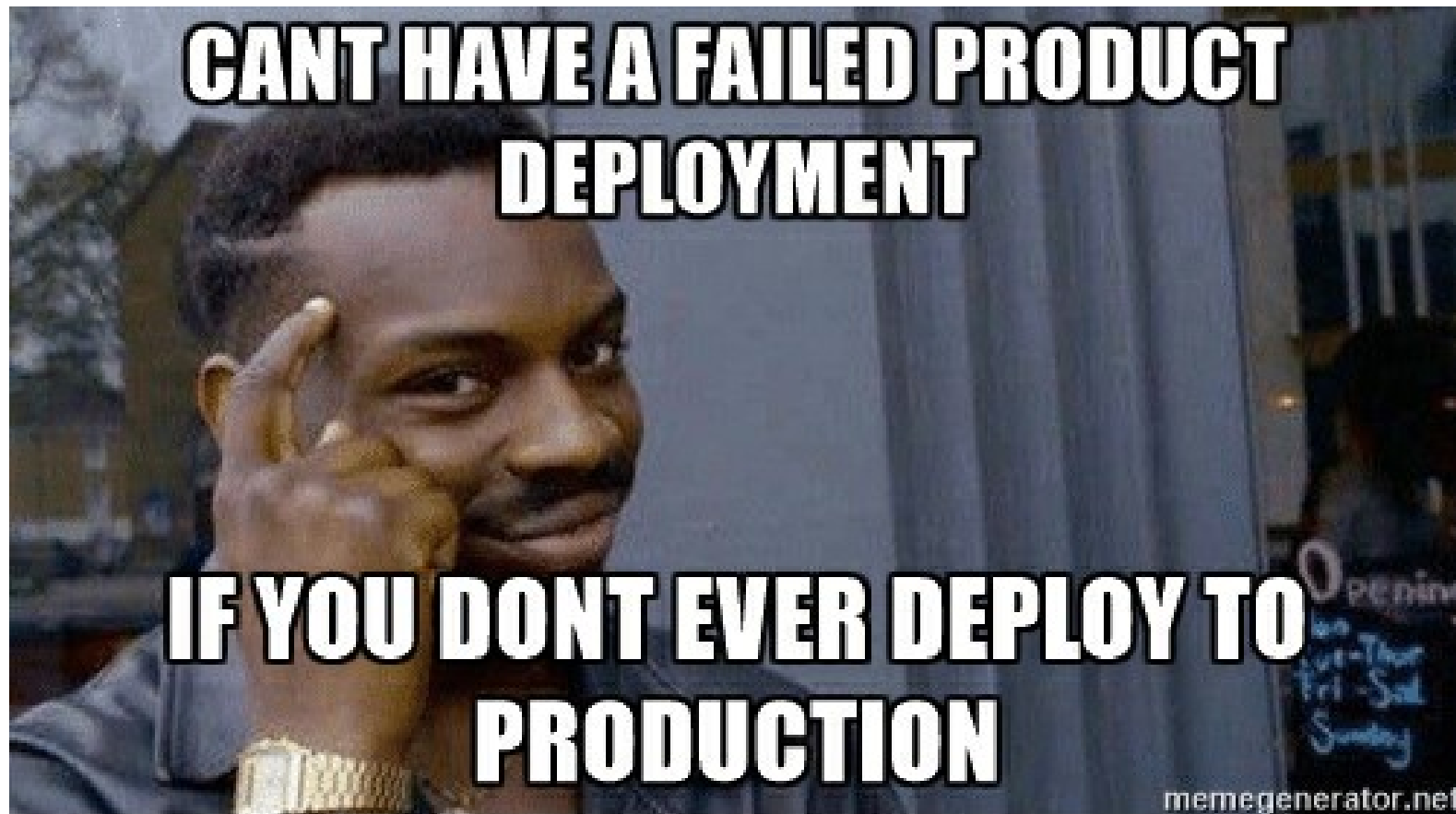


Web Application Nirvana: Docker, DevOps, and RESTful APIs

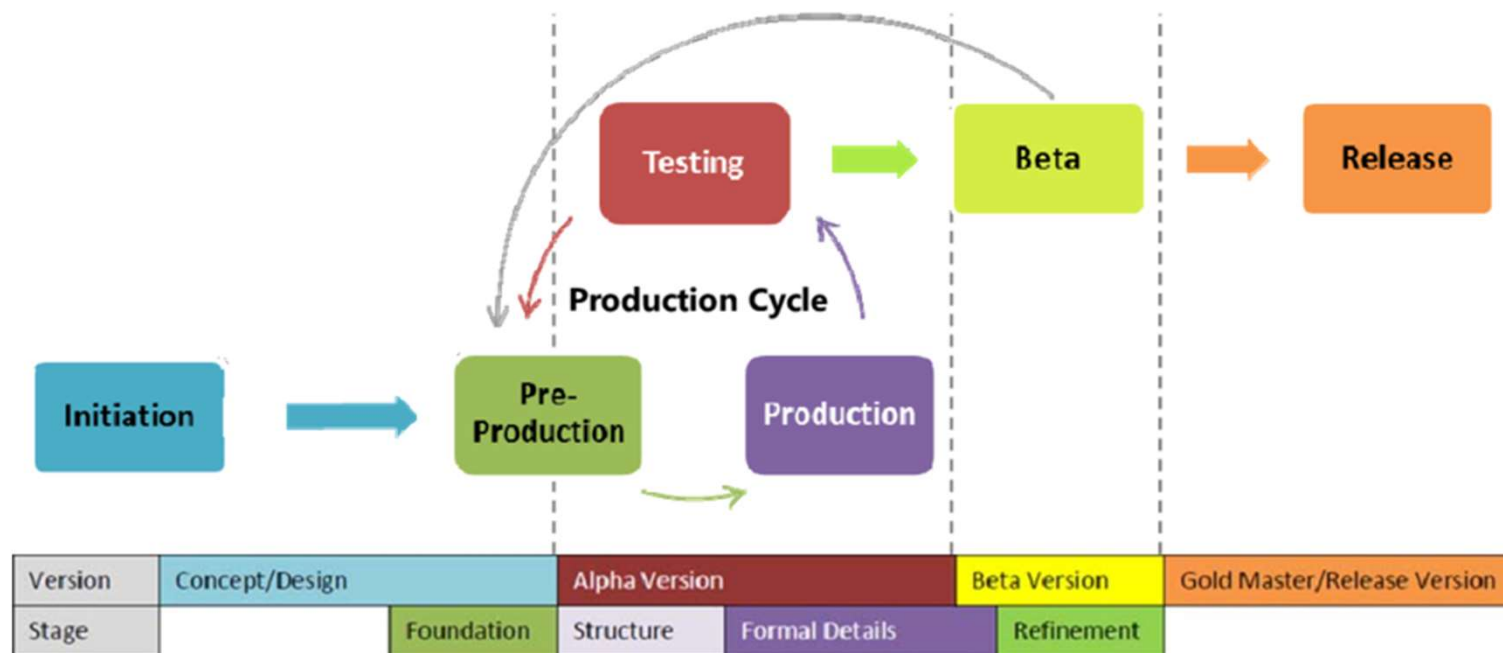
- Docker Containers: Standardized application environments for consistent performance.
- DevOps Approach: Streamlined development and deployment for faster releases.
- RESTful APIs: Secure and efficient data exchange between applications and services.



Desenvolvimento != Programação



O falso processo de desenvolvimento





Problemas na Produção

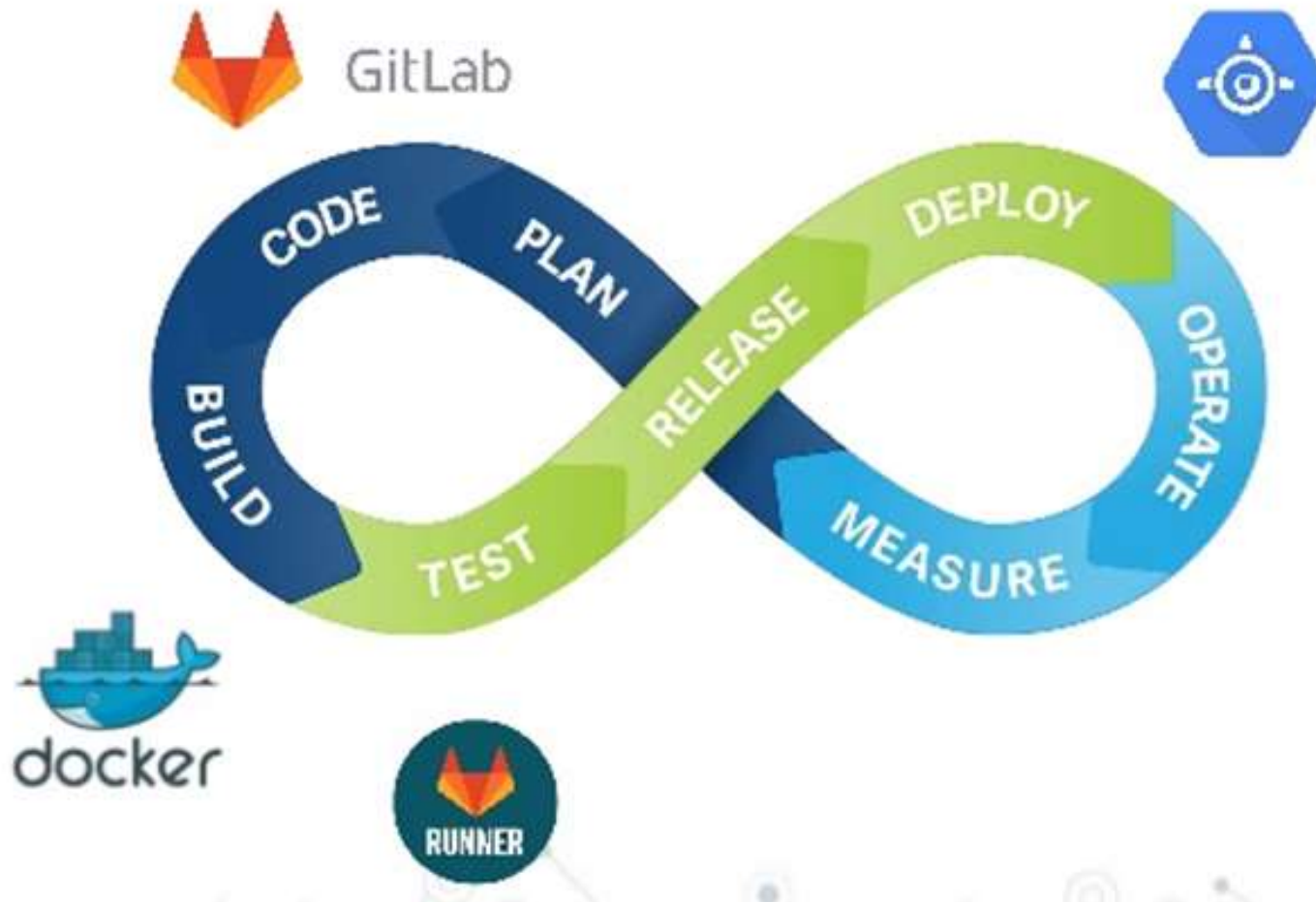
- Diferenças dos ambientes de desenvolvimento
- Hardware setup
- Network setup
- Virtualização
- Permissões /senhas
- Setup do servidor de Banco de Dados
- Importação da base de dados
- Procedimento de Backup/recuperação



Monitoração

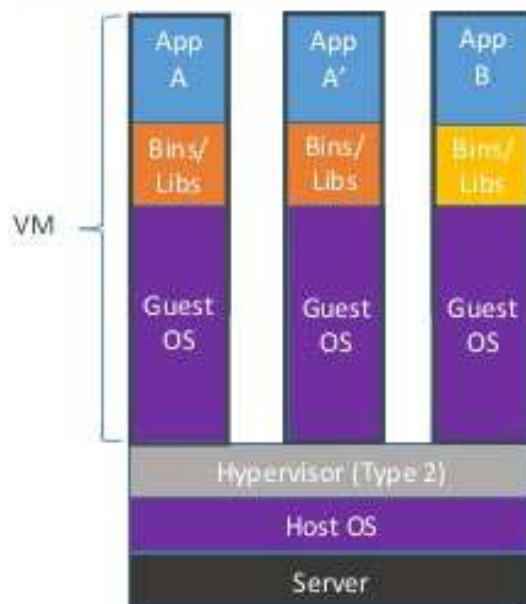
- Gerência de espaço em disco (arquivos/uploads)
- Acesso a logs
- Métricas de performance
- Cron
- Notificação por e-mails

Solução: CLOUD com DevOps !

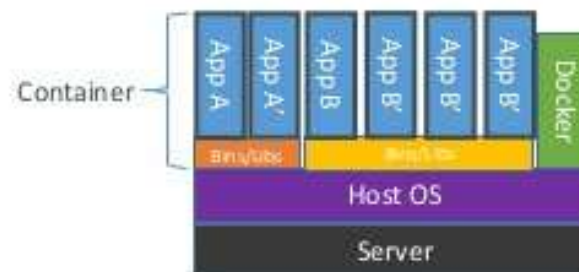


Docker

Containers vs. VMs



Containers are isolated, but share OS and, where appropriate, bins/libraries



Ditch the Dinosaurs, Embrace the Web: A Brighter Future Awaits

- **Enhanced Accessibility:** Reach broader audiences and empower remote work.
- **Reduced Costs:** Lower maintenance and infrastructure costs in the cloud.
- **Improved Agility:** Adapt to changing needs and embrace new technologies quickly.
- **Increased Security:** Leverage modern security best practices and tools.
- **Future-Proofed Solutions:** Invest in a framework that scales with your business.

